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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/053,499	01/18/2002	John A. Galbraith	02-093	3656
7590	05/09/2003			
Ian K. Samways Reed Smith LLP P.O. Box 488 Pittsburgh, PA 15230-0488			EXAMINER PATTERSON, MARIE D	
		ART UNIT 3728	PAPER NUMBER	
DATE MAILED: 05/09/2003				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/053,499	GALBRAITH ET AL.	
	Examiner	Art Unit	
	Marie Patterson	3728	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 21 April 2003.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-28 is/are pending in the application.

4a) Of the above claim(s) 9-11 is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-8 and 12-28 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 03 February 2003 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ .
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .	6) <input type="checkbox"/> Other: _____ .

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Election/Restrictions

1. Applicant's election with traverse of species I in Paper No. 10 is acknowledged.

The traversal is on the ground(s) that an additional search is not needed for the additional 5 species. This is not found persuasive because searching additional species as well as the "examination" and consideration of an additional 5 species would be a burden on the Examiner.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 9-11 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in Paper No. 10. It is noted that applicant listed claim 11 as being readable on the elected species however, claim 11 depends from claim 10 which does not read on the elected species and therefore claim 11 has been withdrawn.

Claim Rejections - 35 USC § 112

3. Claims 1-8 and 12-28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1 the phrase "adapted to ensure...", claims 3 and 5 in their entirety are functional, indefinite, and incomplete because they contain functional language not supported by recitation in the claim of sufficient structure to warrant the presence of such language. (MPEP 2114) It is not clear what structural limitations applicant intends to encompass with such language.

In claims 2-6, and 8 the phrases corresponding the thickness and protrusions to stages of compression are confusing, vague, and indefinite because it is not clear what structural limitations applicant intends to encompass with such language.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-8, 18, 20, and 26 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Sessa (5469639).
6. Claims 1-7, 12-14, 17-23, and 26 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Yung-Mao (4843741).
7. Claims 1-6, 8, 12-18, and 26 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Sicurella (4075772).
8. Claims 1-6, 12-18, and 23-28 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Kramer (5233767).

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1. Telephone inquiries regarding the status of application or other general questions, by persons entitled to the information, "should be directed to the group clerical personnel and not to the Examiners. In as much as the official records and applications are located in the clerical section of the examining groups, the clerical personnel can readily provide status information without contacting the examiners", M.P.E.P. 203.08. The Group clerical receptionist number is (703) 308-1148 or the **Tech Center 3700 Customer Service Center number is (703) 306-5648**. For applicant's convenience, the Group Technological Center FAX number is (703) 872-9302. (Note that the Examiner **cannot** confirm receipt of faxes) Please identify Examiner _____ of Art Unit _____ at the top of your cover sheet of any correspondence submitted.

Inquiries only concerning the **merits** of the examination should be directed to Marie Patterson whose telephone number is (703) 308-0069.

If in receiving this Office Action it is apparent to applicant that certain documents are missing, e.g. copies of references cited, form PTO-1449, for PTO-892, etc. requests for copies of such papers should be directed to (703) 308-1337.

Check out our web-site at "www.uspto.gov" for fees and other useful information.



Marie Patterson
Primary Examiner
Art Unit 3728